Assignment #4 – Class Average Calculator
Due: Sunday, 11/06/11, 11:59pm

(100 pts) You will write a program that takes the number of tests, assignments, labs, and quizzes taken in a given class and calculates the student’s class average. The program will read the number of tests, assignments, labs and quizzes as command line input, and then read the specific number of grades for each by prompting the user for the correct number of items.

The user can supply these arguments in any order, and therefore you need to preface each argument with an option to know what the argument is. For example:
–q 5 –a 8 –l 10 –t 2

This would mean that there are 5 quizzes, 8 assignments, 10 labs, and 2 tests. Next, you have to prompt the user for the specific number of scores for each item.
Quiz 1:
Quiz 2:
...
Quiz 5:
Assignment 1:
Assignment 2:
...
Assignment 8:
...

Class Average Calculator:
Your program should determine the average based on the following weights for each item, which should be declared as class constants for ease of change.
Labs – 10%
Quizzes – 15%
Assignments – 35%
Tests – 40%

Error Handling:
• Print error message if the user doesn’t supply any command line arguments.
• Print error message if the user doesn’t supply a number for any one of the values or doesn’t supply all the options in the command line arguments.
• Print error message if the user enters a zero for any of the command line arguments.
• Print error message if the user doesn’t enter an integer value for the command line arguments.
• Print error message if the user doesn’t supply a number for the scores for the items.
Program Input:
- Number of tests, quizzes, assignments, and labs, in any order
- Score for each number of items.

Program Output:
- Proper error message for each case listed above.
- Class average for the student/user

For full credit:
- Make sure that you include proper spacing in your program!
- Make sure that you include a program and method headers in your program!
  //Author: Your Name
  //Date:
  //Description:

Electronically submit your java program by the assignment due date, using TEACH.